

(a)
Prior Art

(b)

FIG. 1

FIG. 2 (a) & (b)

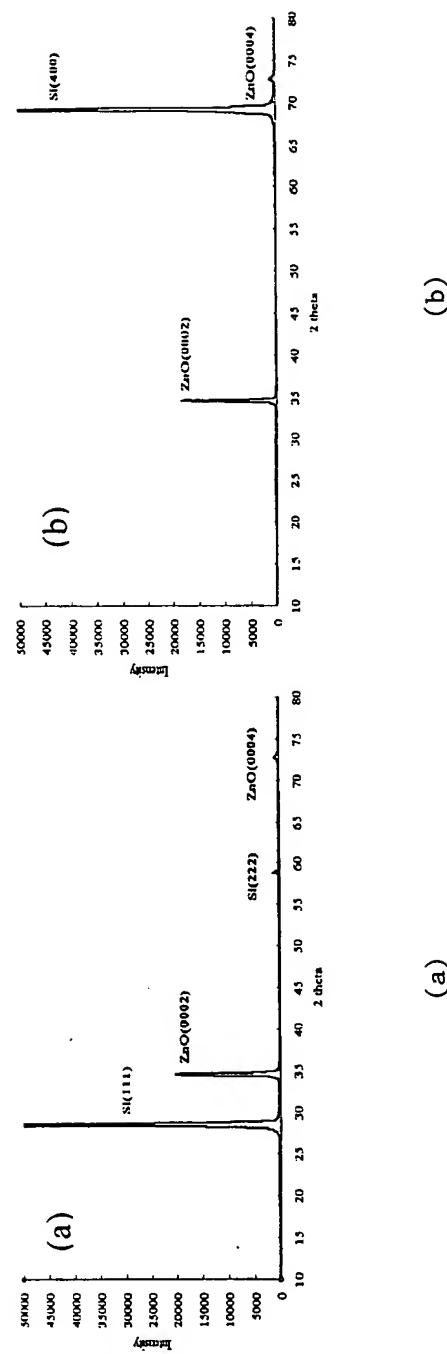
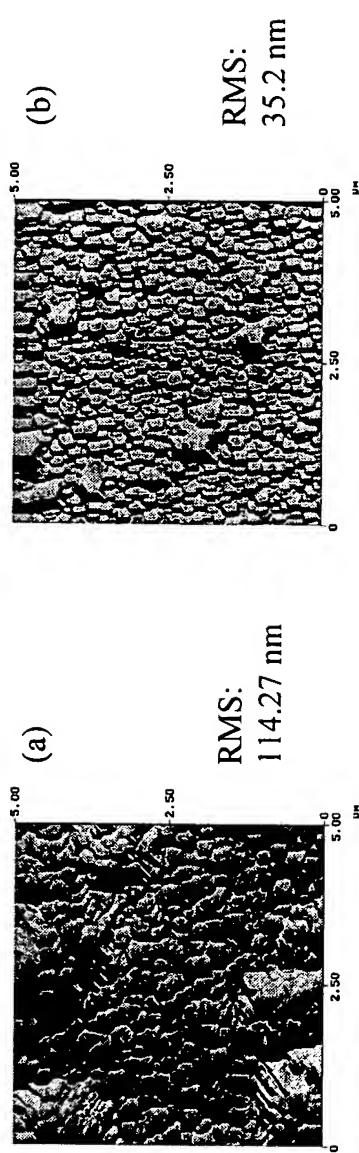


FIG. 3(a) & (b)



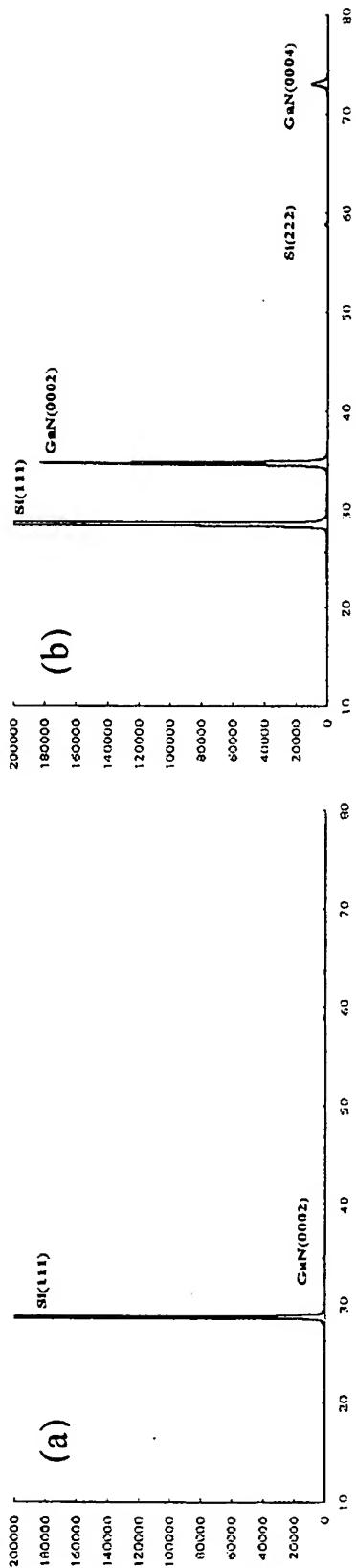
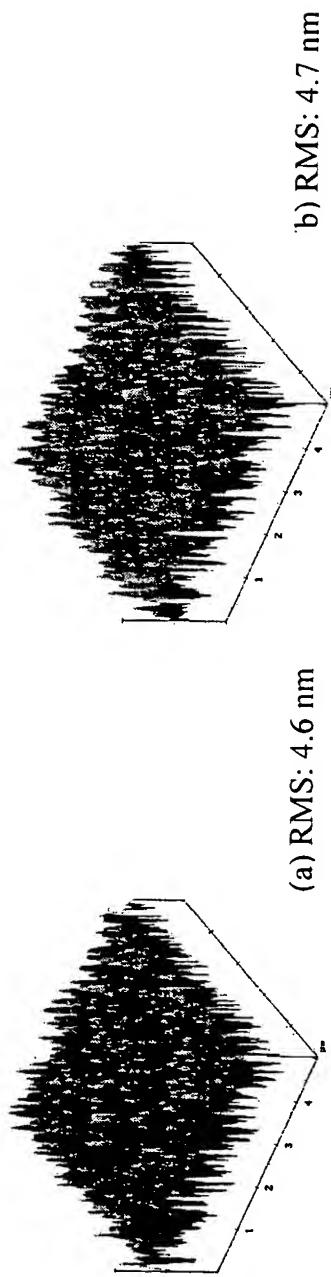


FIG. 4 (a) & (b)

FIG. 5



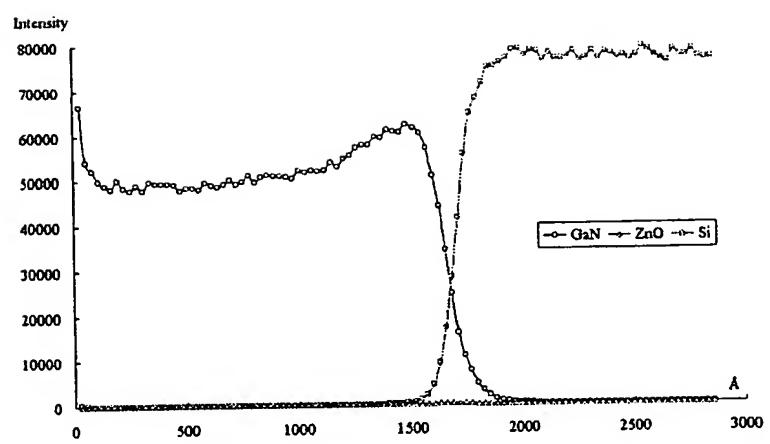


FIG. 6

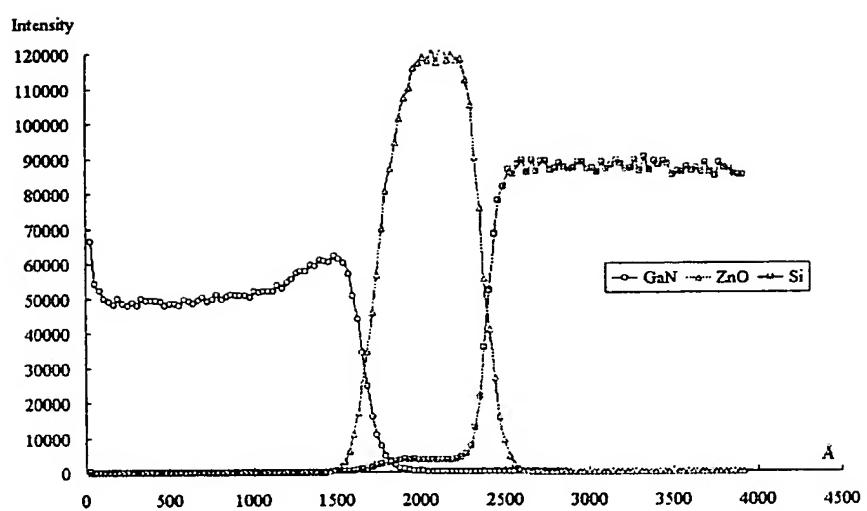
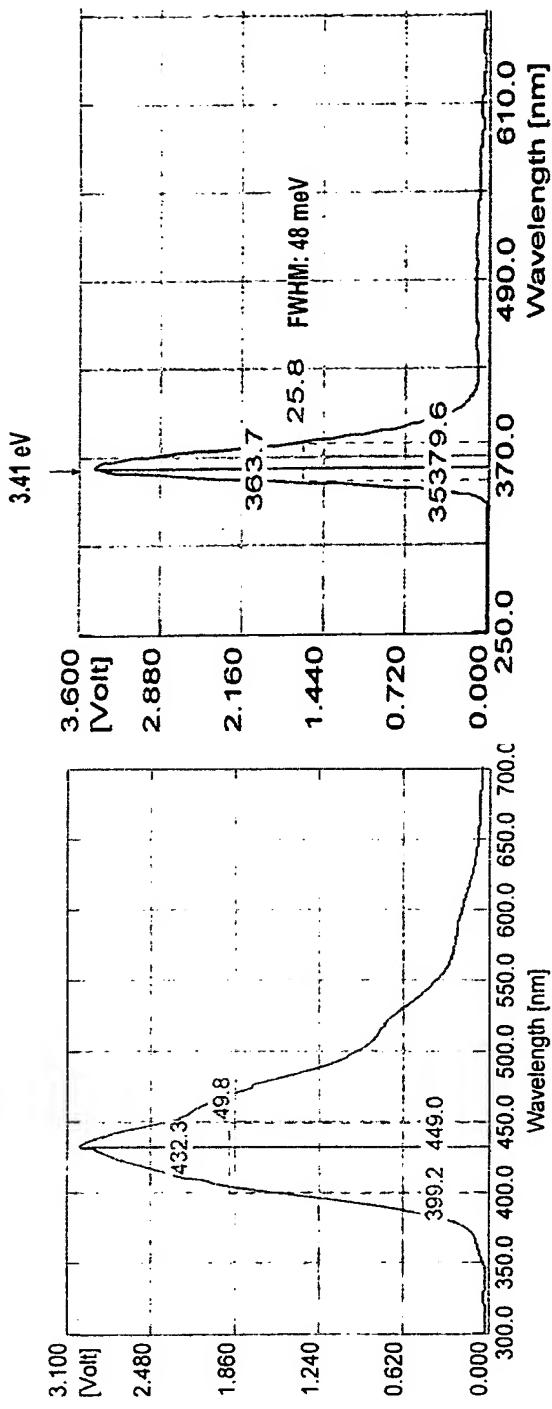


FIG. 7

Room Temperature PL of GaN/ZnO/Si



PL spectrum of GaN/ZnO/Si

(a)

PL spectrum of GaN on bare Si

(b)

FIG. 8(a) & (b)